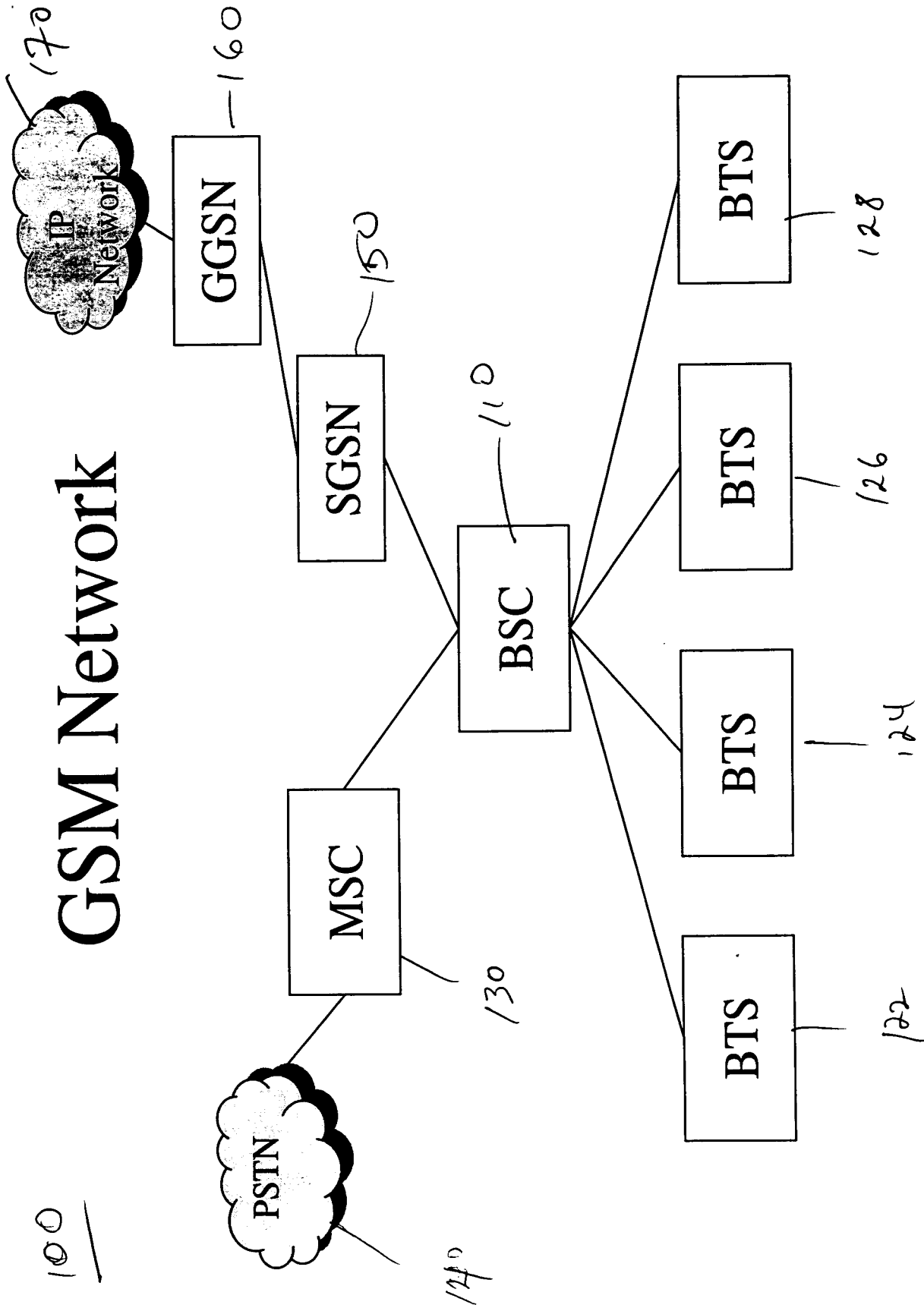


Fig 1

100

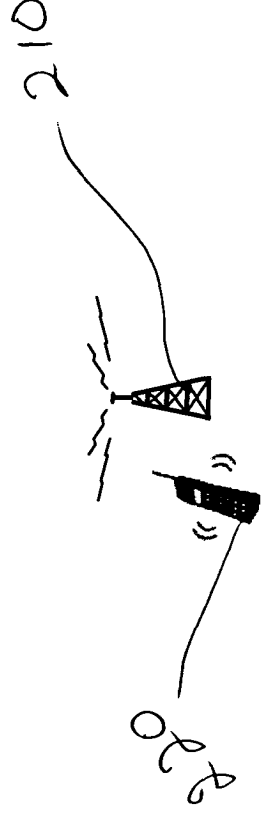
GSM Network



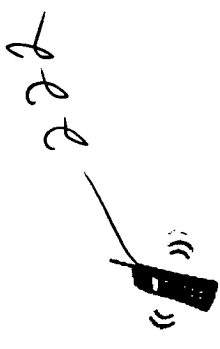
F162

Timing Advance

- Used to insure TDM frame is received at the BTS at the correct time



A MS next to the cell site
has zero timing advance



A MS at the edge of the cell has
the highest advance for that cell
-MS starts transmission earlier to
overcome the propagation delay

FIG 3

300

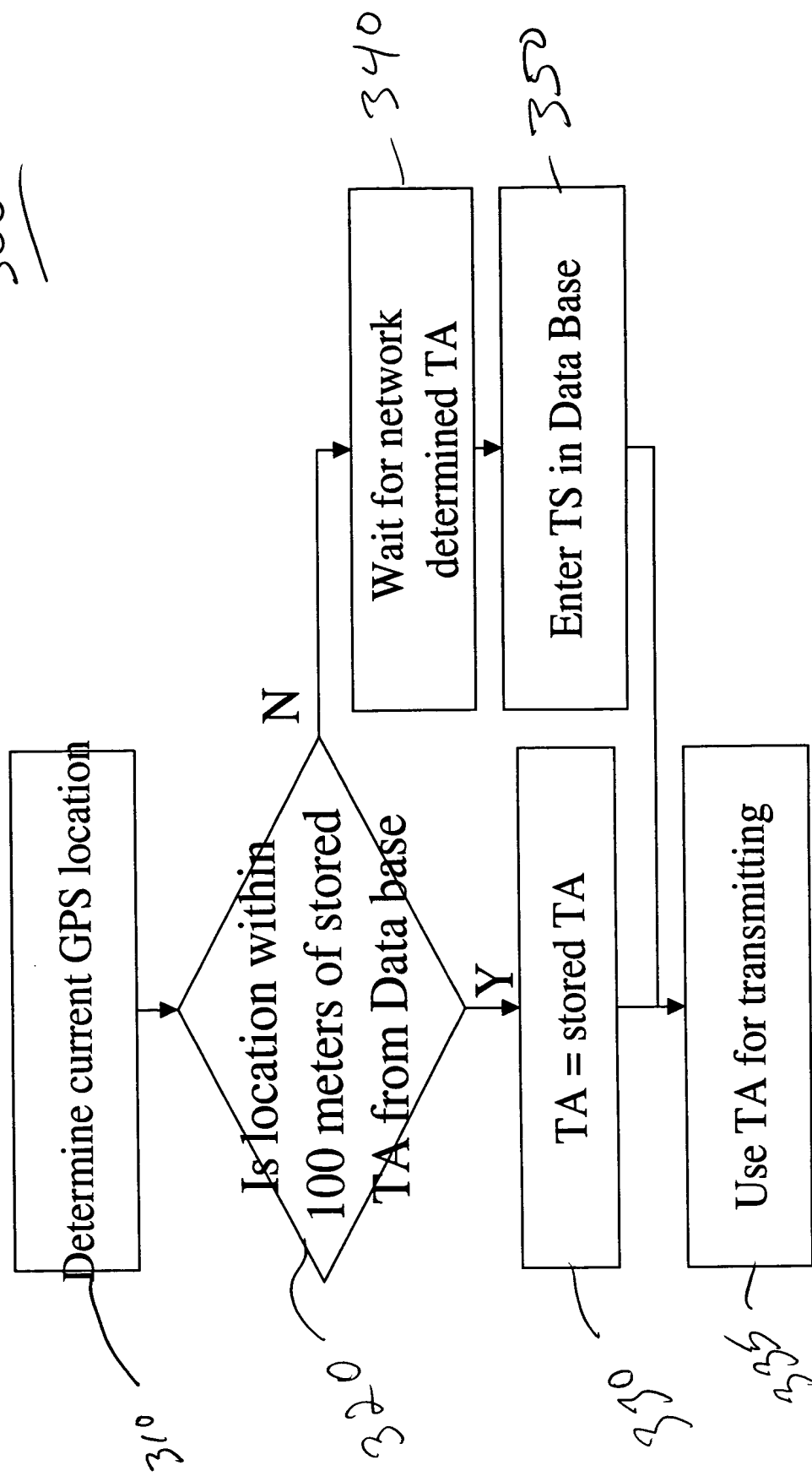


FIG 4

400

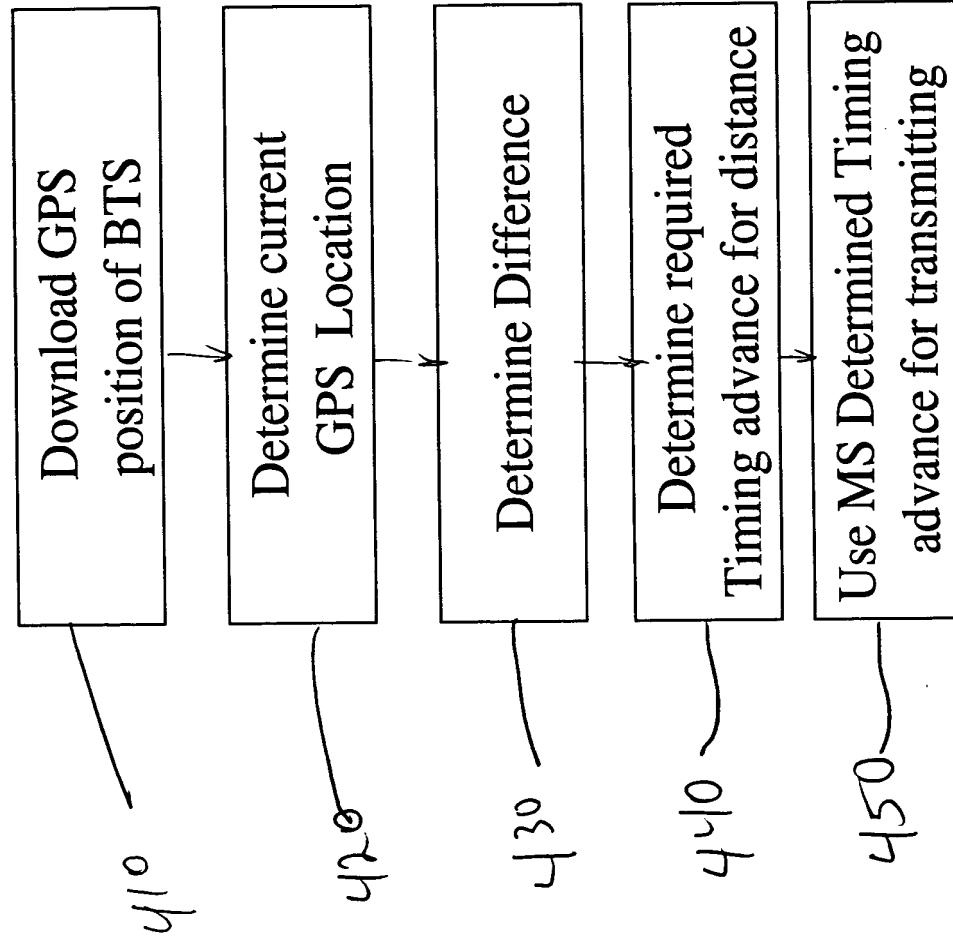
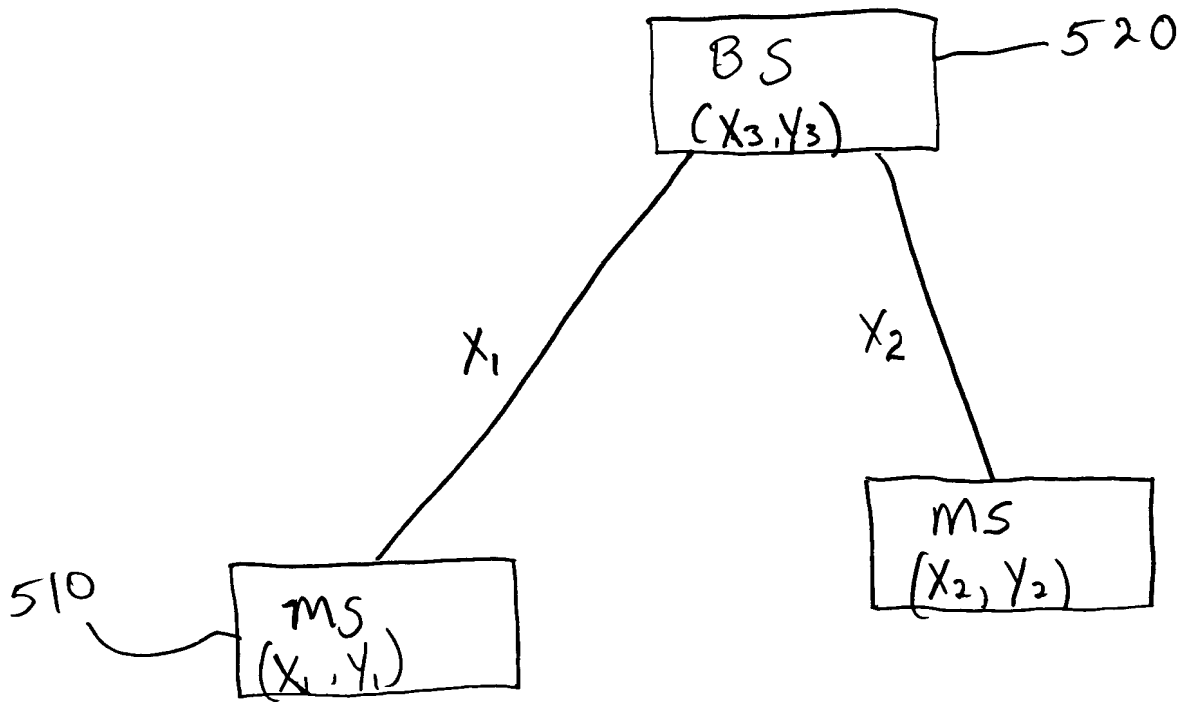


FIG 5



650

Fig 6

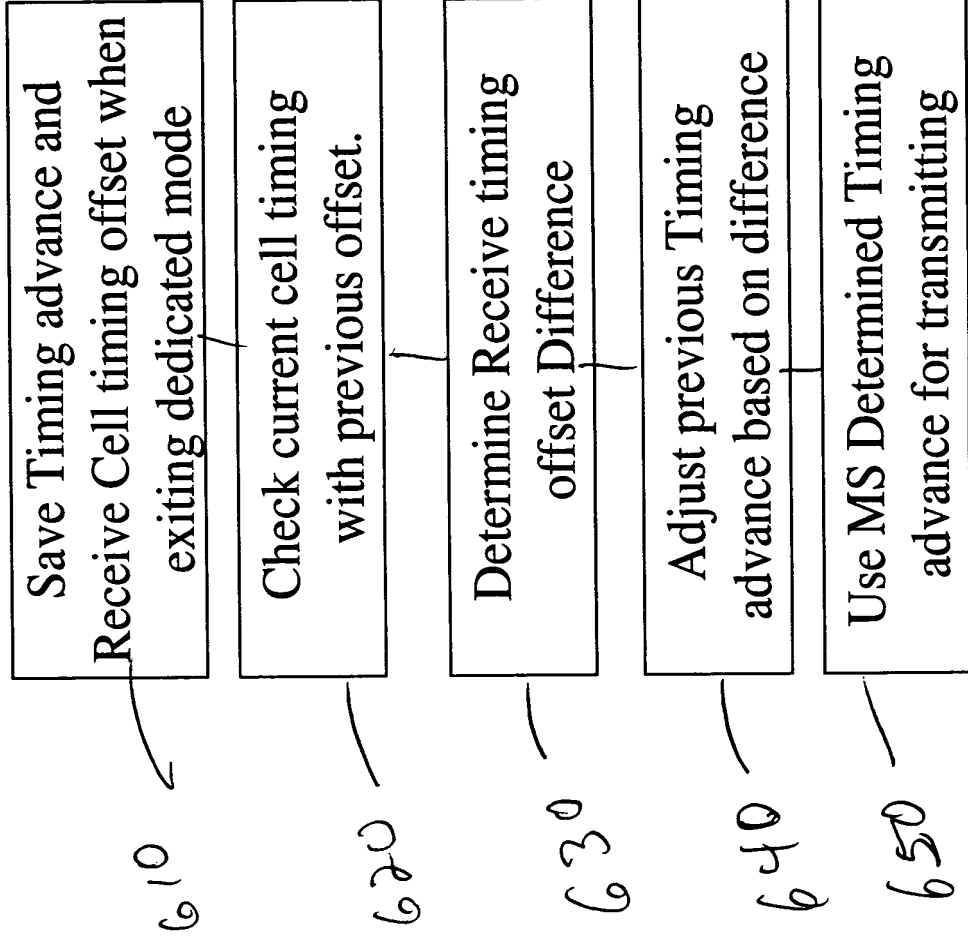


Fig 7

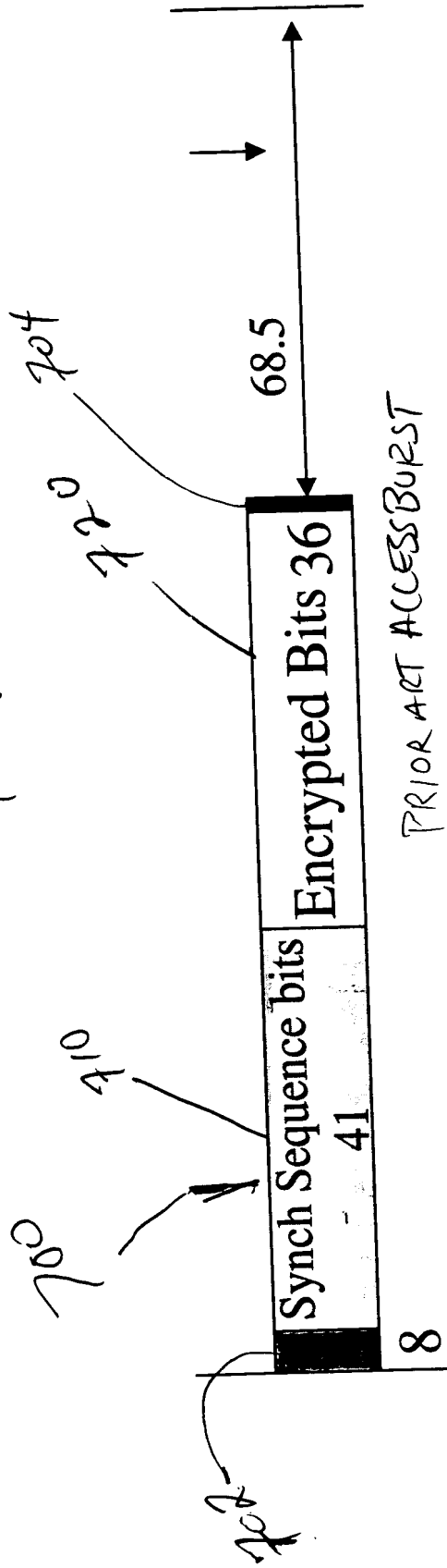


Fig 8

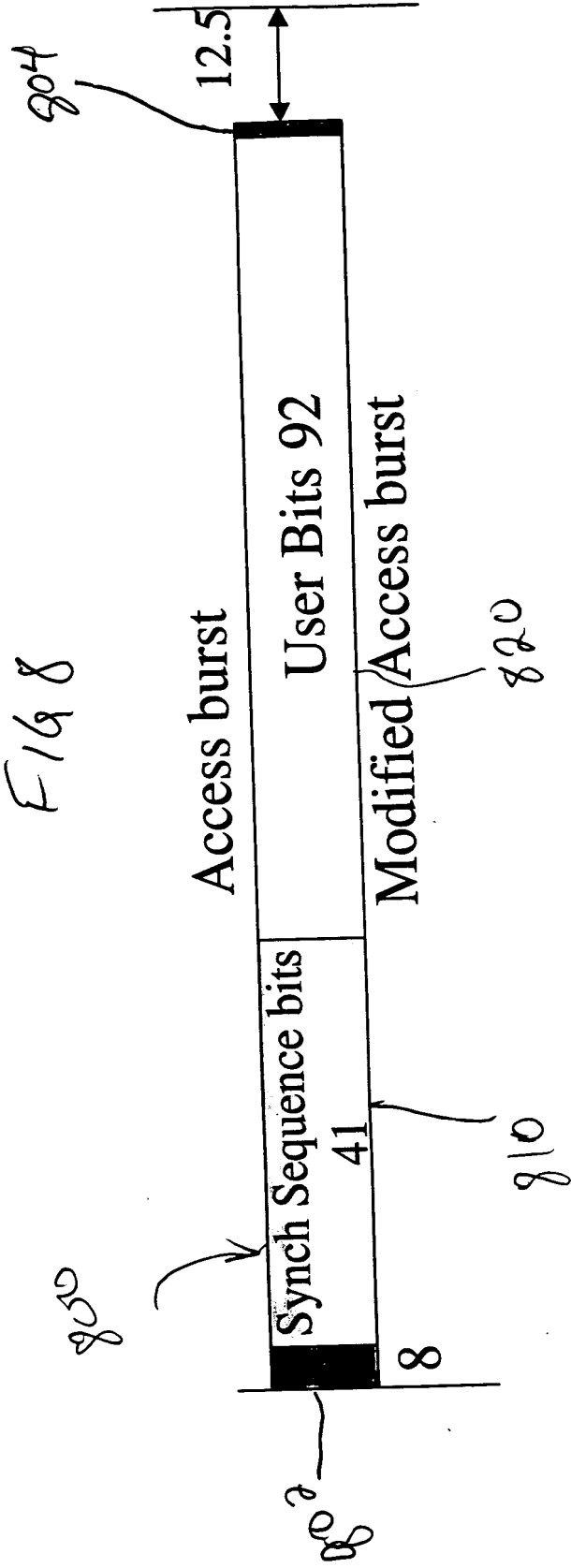


FIG 9

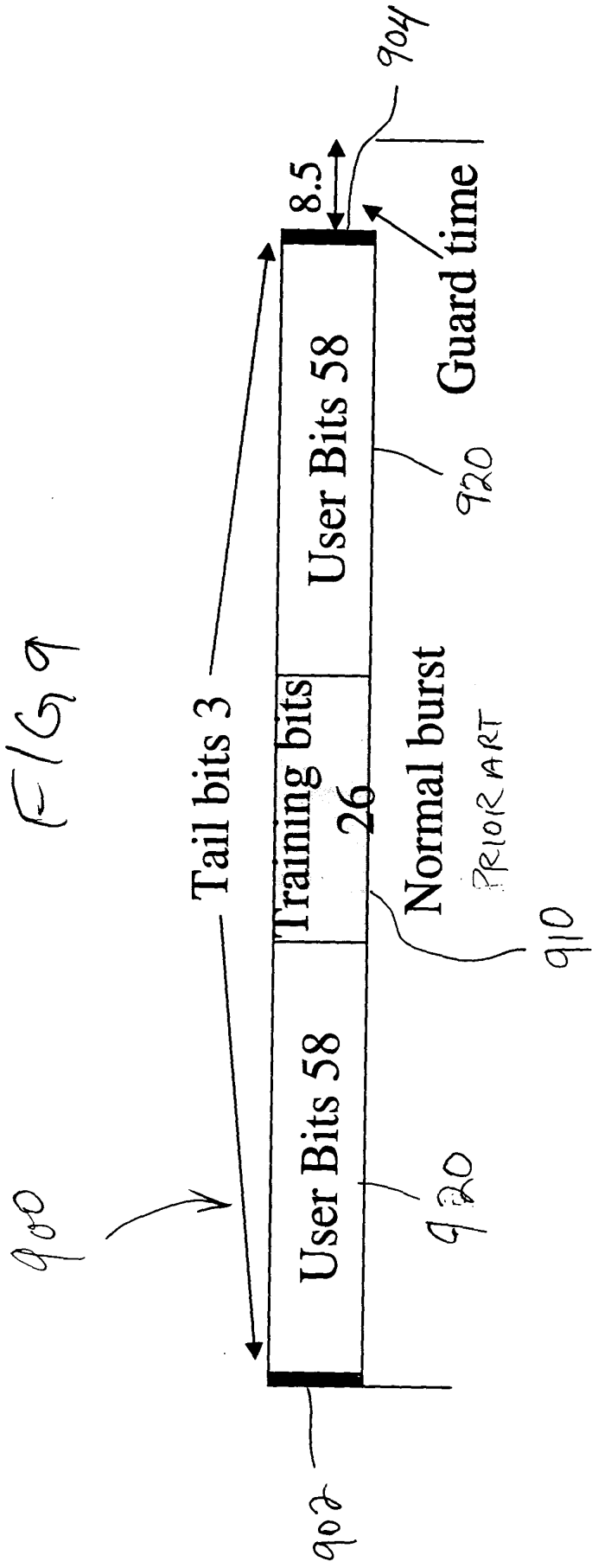


FIG 10

